

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY042321\  
 Data File : VY004601.D  
 Acq On : 23 Apr 2021 13:39  
 Operator : SY/MD  
 Sample : M2149-03  
 Misc : 5.00G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Apr 26 10:18:12 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y041221S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 13 03:38:02 2021  
 Response via : Initial Calibration

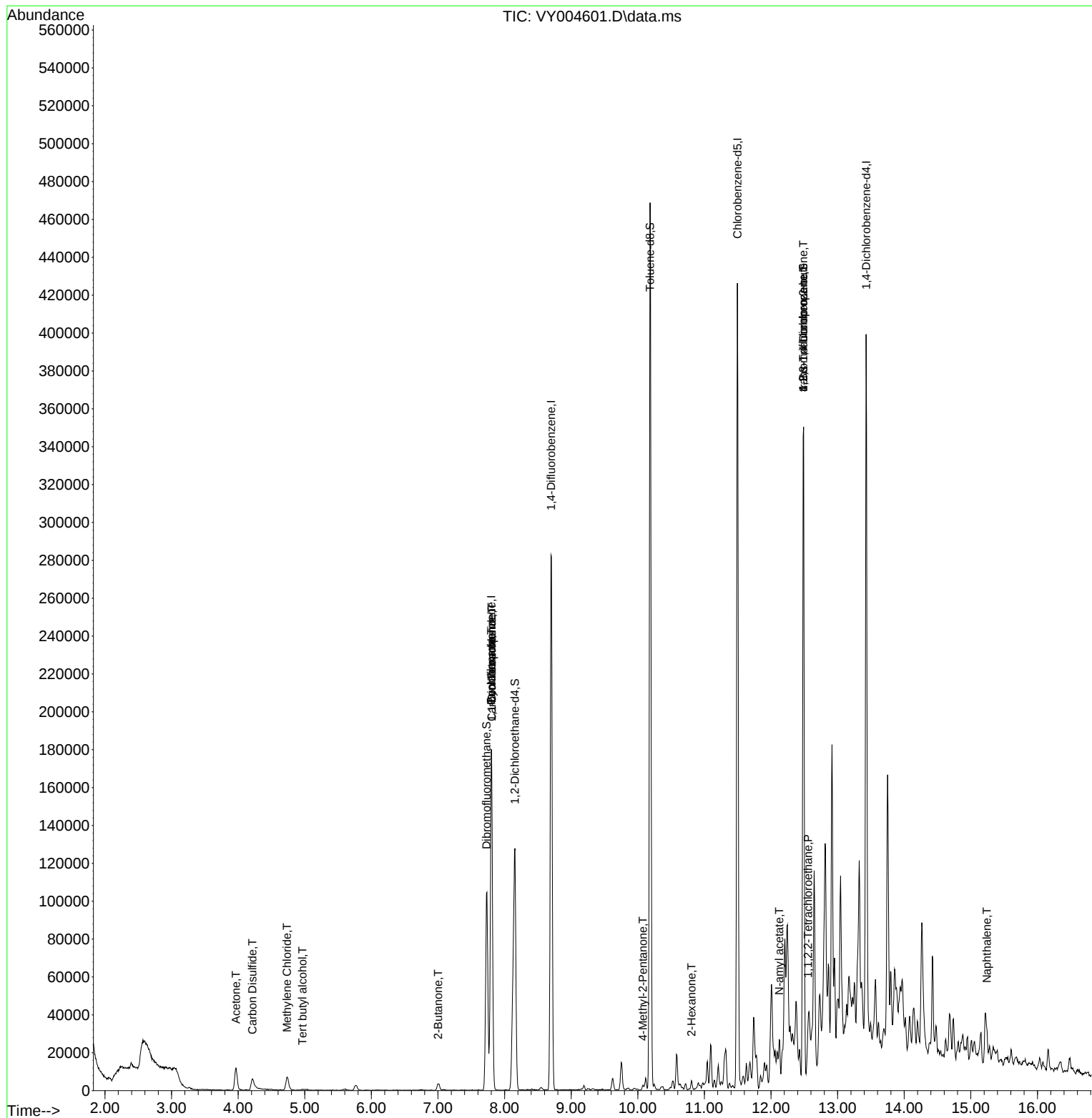
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) Pentafluorobenzene         | 7.801  | 168   | 133151   | 50.00    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.697  | 114   | 231801   | 50.00    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.496 | 117   | 213706   | 50.00    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428 | 152   | 87736    | 50.00    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.155  | 65    | 86600    | 58.54    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery | =      | 117.08%  |
| 35) Dibromofluoromethane      | 7.728  | 113   | 71496    | 55.58    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery | =      | 111.16%  |
| 50) Toluene-d8                | 10.185 | 98    | 285281   | 52.14    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 49 - 140 | Recovery | =      | 104.28%  |
| 62) 4-Bromofluorobenzene      | 12.483 | 95    | 94095    | 50.68    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 25 - 144 | Recovery | =      | 101.36%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 11) Tert butyl alcohol        | 4.966  | 59    | 455      | 3.12     | ug/l # | 73       |
| 16) Acetone                   | 3.966  | 43    | 21141    | 52.10    | ug/l   | 98       |
| 17) Carbon Disulfide          | 4.216  | 76    | 11090    | 2.79     | ug/l   | 98       |
| 20) Methylene Chloride        | 4.735  | 84    | 4727     | 3.31     | ug/l   | 90       |
| 25) 2-Butanone                | 7.002  | 43    | 6576     | 11.67    | ug/l # | 89       |
| 31) Cyclohexane               | 7.801  | 56    | 3336     | 1.23     | ug/l # | 15       |
| 36) 1,1-Dichloropropene       | 7.807  | 75    | 11161    | 4.85     | ug/l # | 50       |
| 38) Carbon Tetrachloride      | 7.807  | 117   | 13927    | 6.99     | ug/l # | 17       |
| 51) 4-Methyl-2-Pentanone      | 10.075 | 43    | 1821     | 1.26     | ug/l   | 97       |
| 59) 2-Hexanone                | 10.807 | 43    | 2039     | 2.11     | ug/l # | 29       |
| 74) N-amyl acetate            | 12.123 | 43    | 5940     | 2.60     | ug/l # | 55       |
| 75) 1,1,2,2-Tetrachloroethane | 12.556 | 83    | 1780     | 1.39     | ug/l # | 87       |
| 76) 1,2,3-Trichloropropane    | 12.483 | 75    | 52247    | 55.48    | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.483 | 75    | 52247    | 99.26    | ug/l # | 13       |
| 95) Naphthalene               | 15.239 | 128   | 14636    | 4.04     | ug/l   | 96       |
| -----                         |        |       |          |          |        |          |

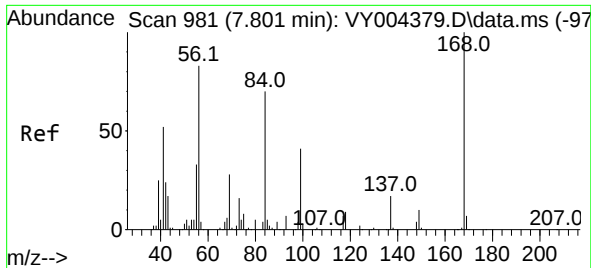
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY042321\  
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Sample : M2149-03  
Misc : 5.00G/5ML/MSVOA\_Y/SOIL  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :

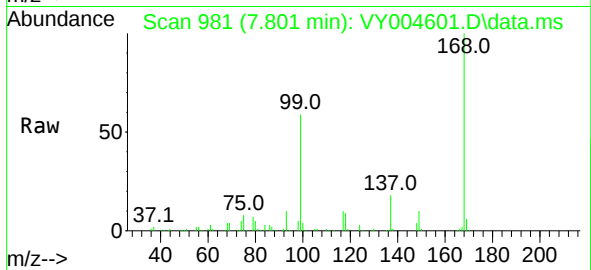
Quant Time: Apr 26 10:18:12 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y041221S.M  
Quant Title : SW846 8260  
QLast Update : Tue Apr 13 03:38:02 2021  
Response via : Initial Calibration



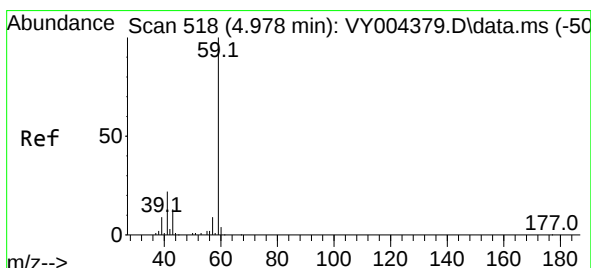
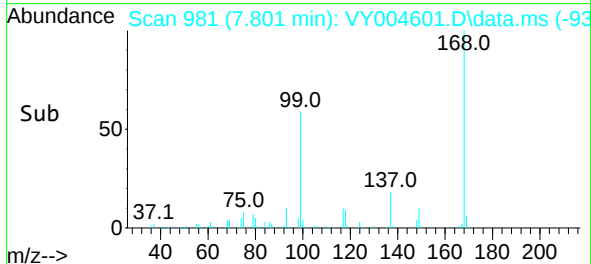
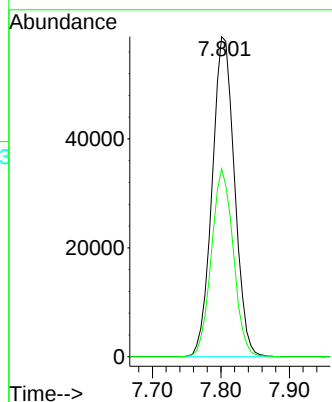


#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.801 min Scan# 981  
Delta R.T. 0.000 min  
Lab File: VY004601.D  
Acq: 23 Apr 2021 13:39

Instrument :  
MSVOA\_Y  
ClientSampled :

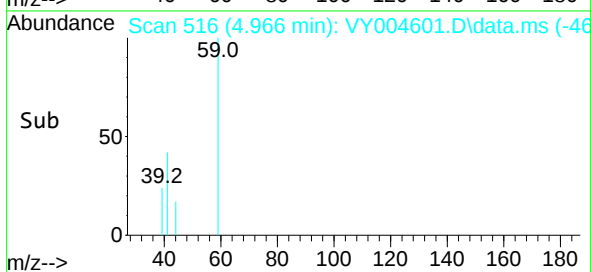
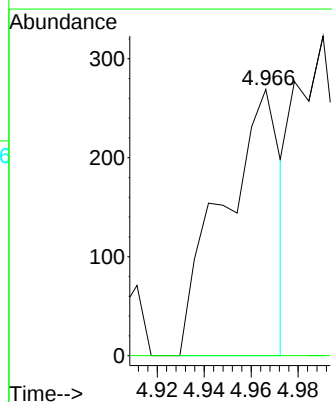
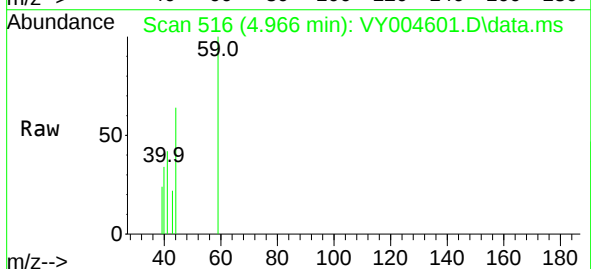


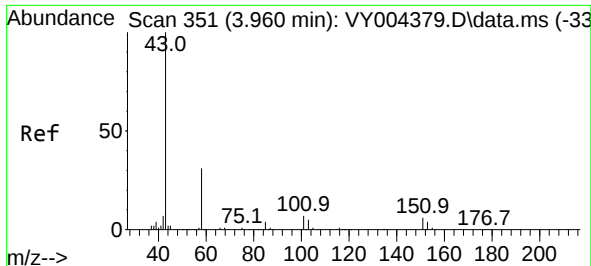
Tgt Ion:168 Resp: 133151  
Ion Ratio Lower Upper  
168 100  
99 58.7 45.5 68.3



#11  
Tert butyl alcohol  
Concen: 3.12 ug/l  
RT: 4.966 min Scan# 516  
Delta R.T. -0.012 min  
Lab File: VY004601.D  
Acq: 23 Apr 2021 13:39

Tgt Ion: 59 Resp: 455  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.1 12.1#

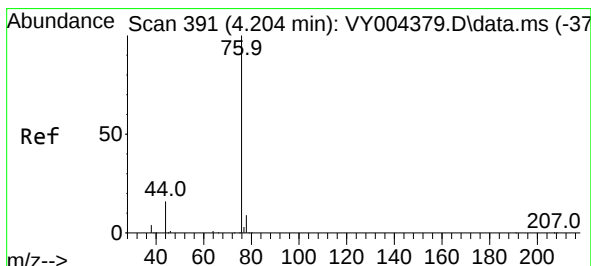
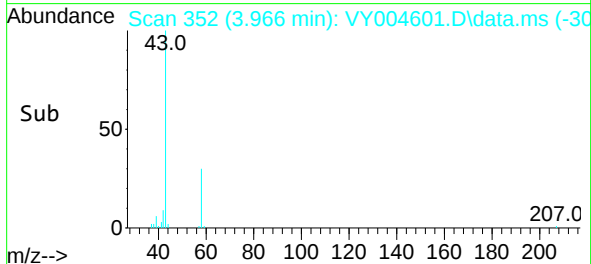
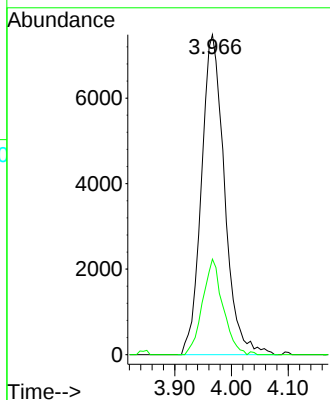
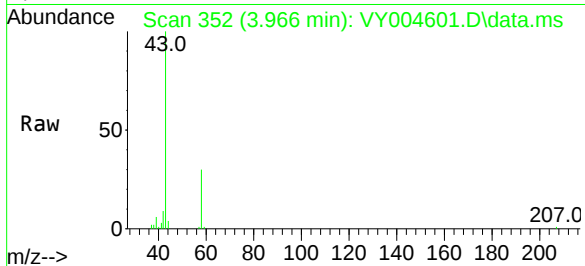




#16  
Acetone  
Concen: 52.10 ug/l  
RT: 3.966 min Scan# 352  
Delta R.T. 0.006 min  
Lab File: VY004601.D  
Acq: 23 Apr 2021 13:39

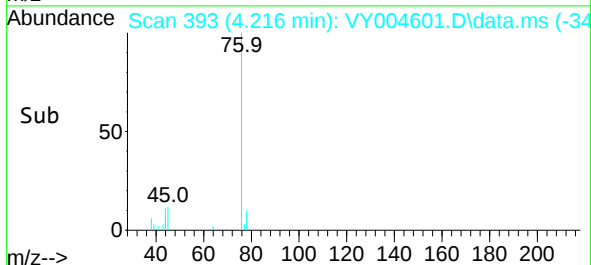
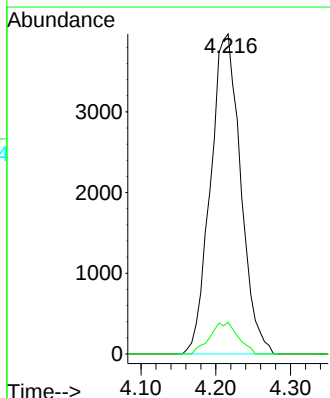
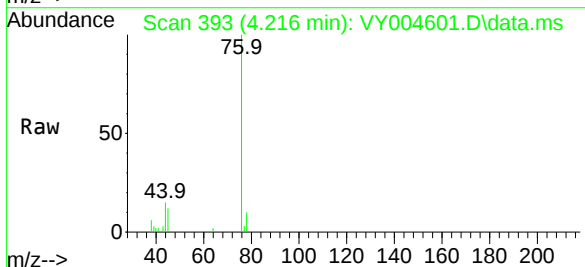
Instrument :  
MSVOA\_Y  
ClientSampleId :

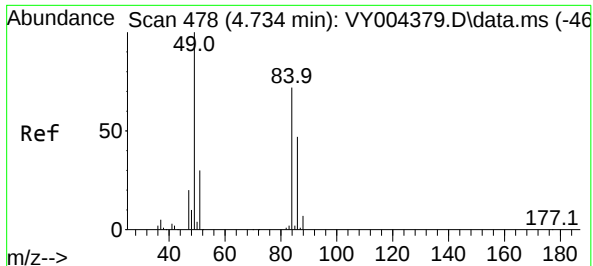
Tgt Ion: 43 Resp: 21141  
Ion Ratio Lower Upper  
43 100  
58 29.8 24.6 37.0



#17  
Carbon Disulfide  
Concen: 2.79 ug/l  
RT: 4.216 min Scan# 393  
Delta R.T. 0.012 min  
Lab File: VY004601.D  
Acq: 23 Apr 2021 13:39

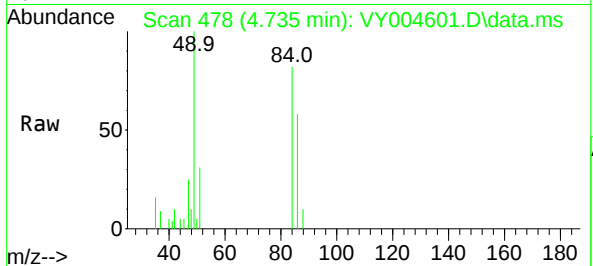
Tgt Ion: 76 Resp: 11090  
Ion Ratio Lower Upper  
76 100  
78 9.9 7.4 11.2





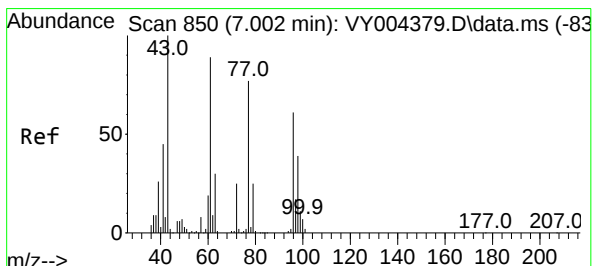
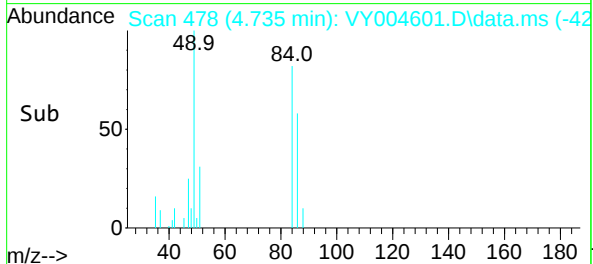
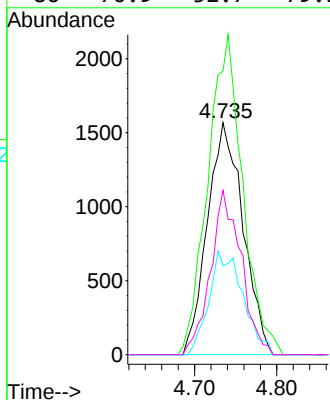
#20  
Methylene Chloride  
Concen: 3.31 ug/l  
RT: 4.735 min Scan# 478  
Delta R.T. 0.000 min  
Lab File: VY004601.D  
Acq: 23 Apr 2021 13:39

Instrument :  
MSVOA\_Y  
ClientSampled :

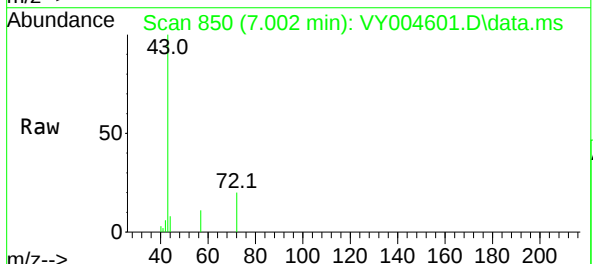


Tgt Ion: 84 Resp: 4727

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 84  | 100   |       |       |
| 49  | 122.3 | 111.2 | 166.8 |
| 51  | 38.4  | 33.4  | 50.2  |
| 86  | 70.9  | 52.7  | 79.1  |

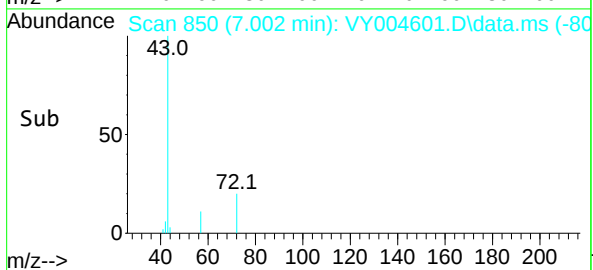
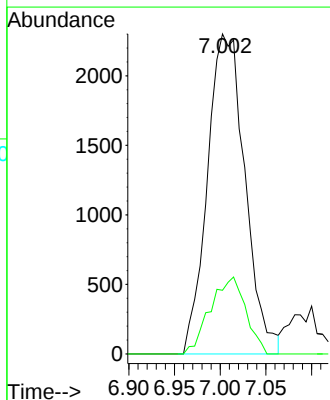


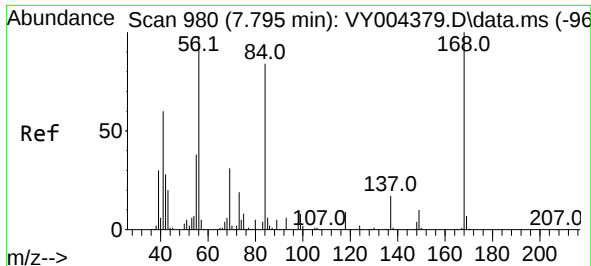
#25  
2-Butanone  
Concen: 11.67 ug/l  
RT: 7.002 min Scan# 850  
Delta R.T. 0.000 min  
Lab File: VY004601.D  
Acq: 23 Apr 2021 13:39



Tgt Ion: 43 Resp: 6576

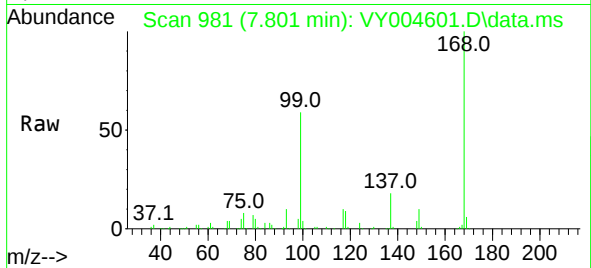
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 72  | 19.9  | 20.2  | 30.2# |



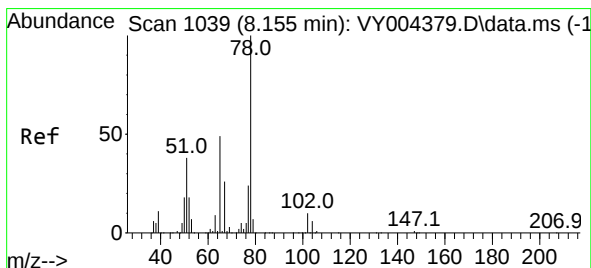
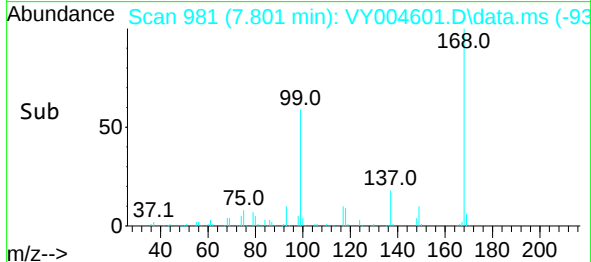
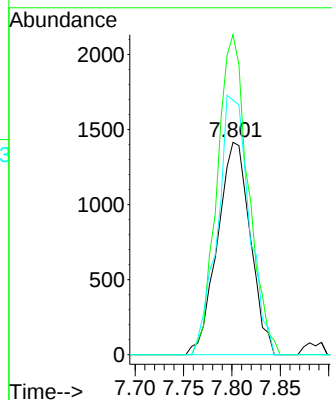


#31  
Cyclohexane  
Concen: 1.23 ug/l  
RT: 7.801 min Scan# 981  
Delta R.T. 0.006 min  
Lab File: VY004601.D  
Acq: 23 Apr 2021 13:39

Instrument :  
MSVOA\_Y  
ClientSampleId :

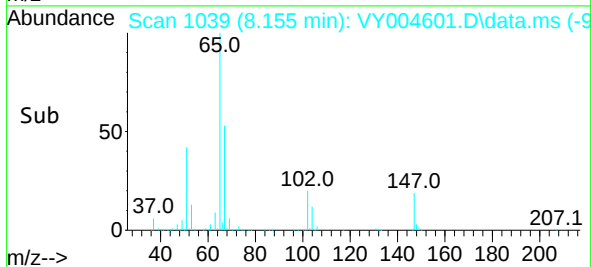
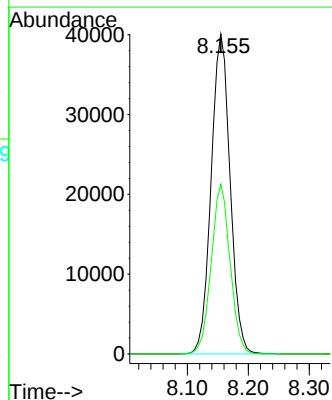
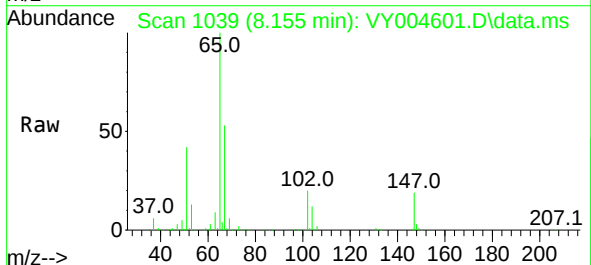


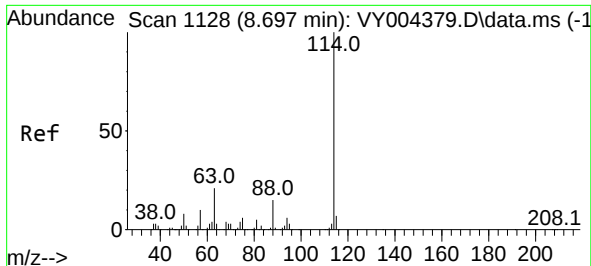
Tgt Ion: 56 Resp: 3336  
Ion Ratio Lower Upper  
56 100  
69 150.7 25.8 38.6#  
84 119.8 68.2 102.4#



#33  
1,2-Dichloroethane-d4  
Concen: 58.54 ug/l  
RT: 8.155 min Scan# 1039  
Delta R.T. 0.000 min  
Lab File: VY004601.D  
Acq: 23 Apr 2021 13:39

Tgt Ion: 65 Resp: 86600  
Ion Ratio Lower Upper  
65 100  
67 52.7 0.0 106.4

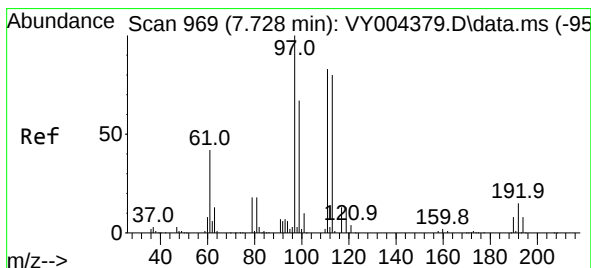
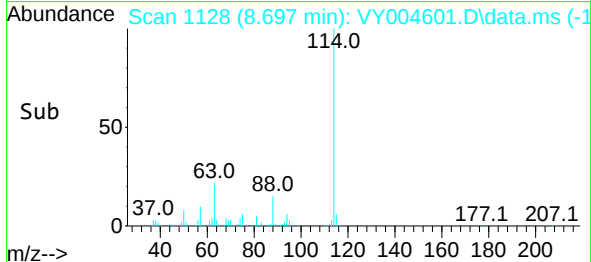
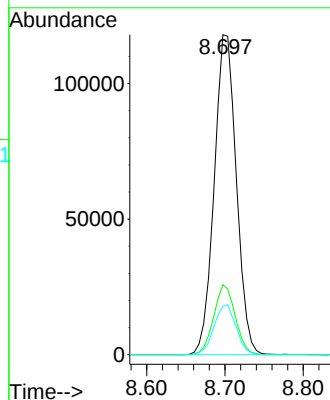
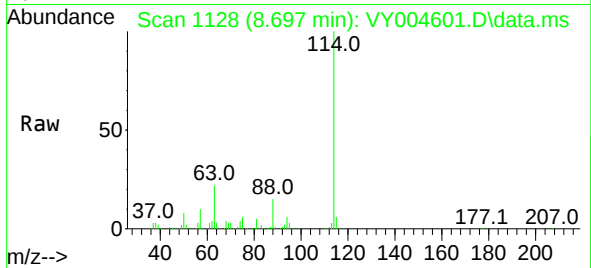




#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.697 min Scan# 1128  
Delta R.T. 0.000 min  
Lab File: VY004601.D  
Acq: 23 Apr 2021 13:39

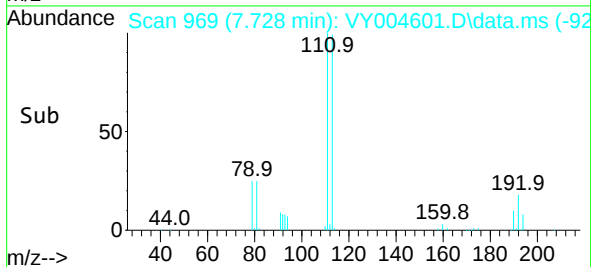
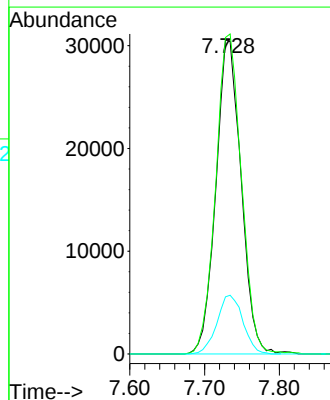
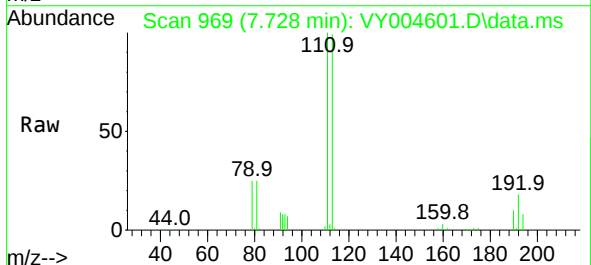
Instrument :  
MSVOA\_Y  
ClientSampled :

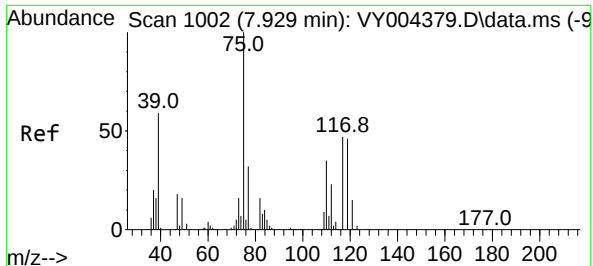
Tgt Ion:114 Resp: 231801  
Ion Ratio Lower Upper  
114 100  
63 21.9 0.0 42.4  
88 15.1 0.0 30.8



#35  
Dibromofluoromethane  
Concen: 55.58 ug/l  
RT: 7.728 min Scan# 969  
Delta R.T. 0.000 min  
Lab File: VY004601.D  
Acq: 23 Apr 2021 13:39

Tgt Ion:113 Resp: 71496  
Ion Ratio Lower Upper  
113 100  
111 104.1 82.6 123.8  
192 19.3 16.1 24.1





#36

1,1-Dichloropropene

Concen: 4.85 ug/l

RT: 7.807 min Scan# 982

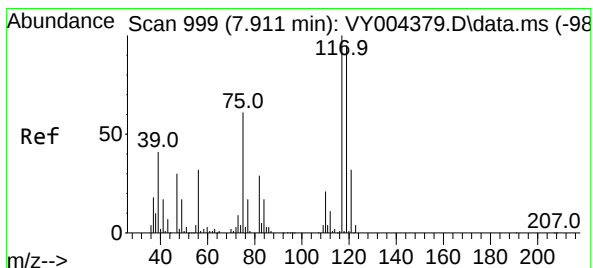
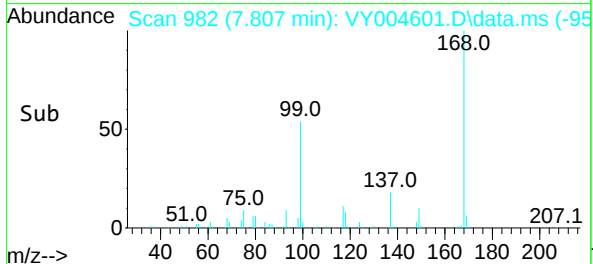
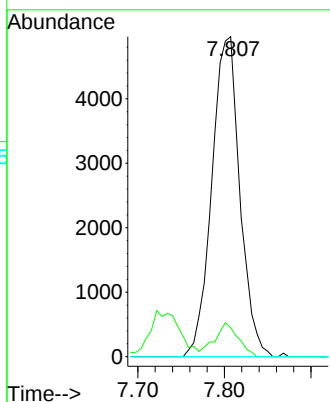
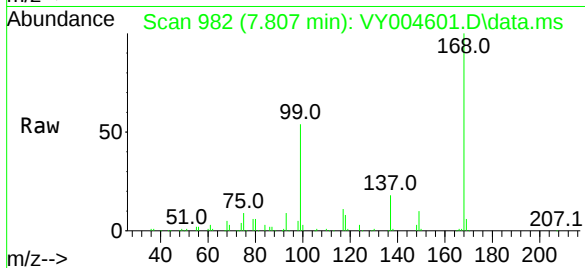
Delta R.T. -0.122 min

Lab File: VY004601.D

Acq: 23 Apr 2021 13:39

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 11161 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 110      | 8.9   | 17.3  | 51.7# |
| 77       | 0.0   | 24.3  | 36.5# |

Instrument :  
MSVOA\_Y  
ClientSampled :



#38

Carbon Tetrachloride

Concen: 6.99 ug/l

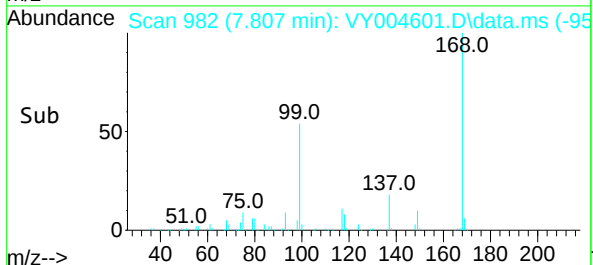
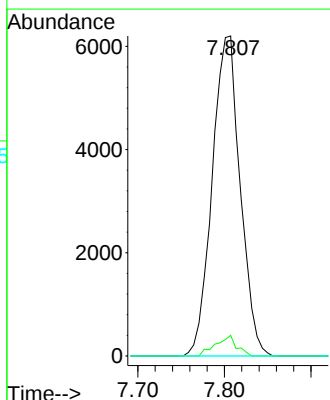
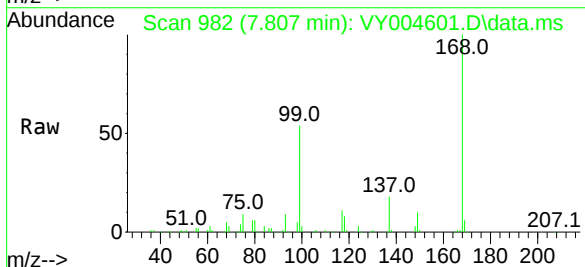
RT: 7.807 min Scan# 982

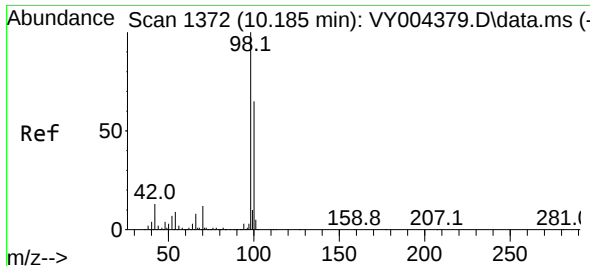
Delta R.T. -0.103 min

Lab File: VY004601.D

Acq: 23 Apr 2021 13:39

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 13927  |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 6.4   | 75.8  | 113.8# |
| 121      | 0.0   | 25.3  | 37.9#  |

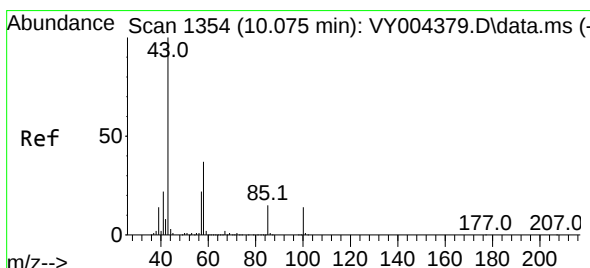
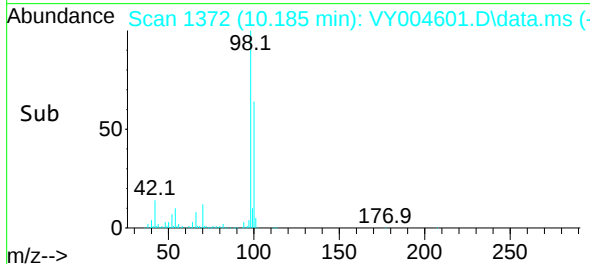
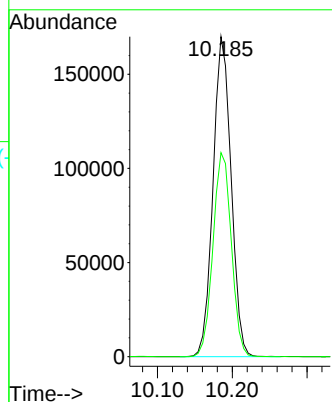
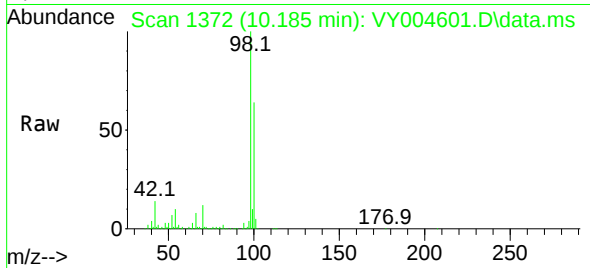




#50  
Toluene-d8  
Concen: 52.14 ug/l  
RT: 10.185 min Scan# 1372  
Delta R.T. 0.000 min  
Lab File: VY004601.D  
Acq: 23 Apr 2021 13:39

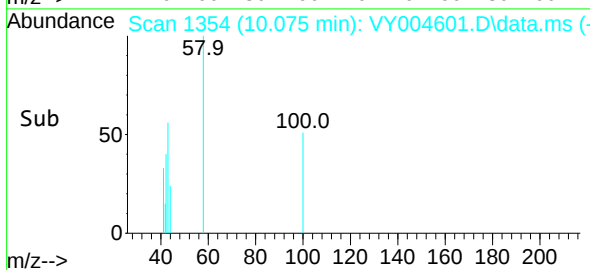
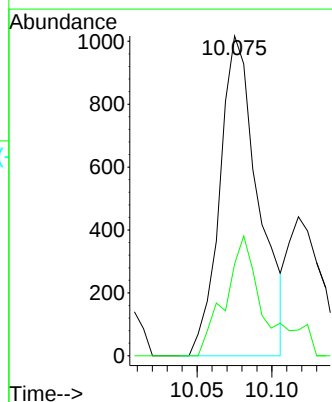
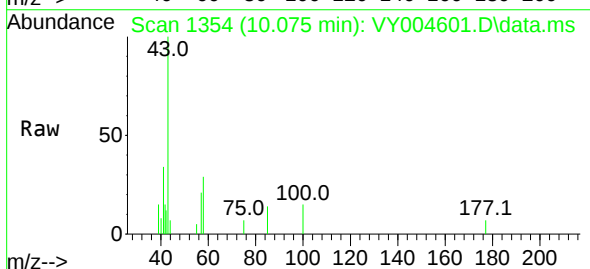
Instrument :  
MSVOA\_Y  
ClientSampled :

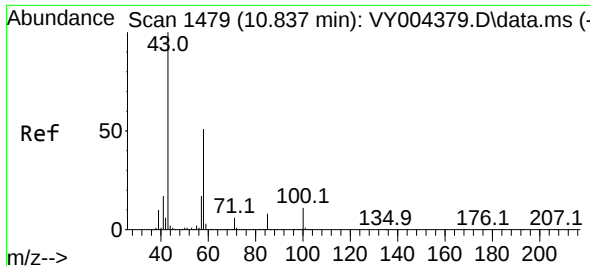
Tgt Ion: 98 Resp: 285281  
Ion Ratio Lower Upper  
98 100  
100 64.7 51.8 77.6



#51  
4-Methyl-2-Pentanone  
Concen: 1.26 ug/l  
RT: 10.075 min Scan# 1354  
Delta R.T. 0.000 min  
Lab File: VY004601.D  
Acq: 23 Apr 2021 13:39

Tgt Ion: 43 Resp: 1821  
Ion Ratio Lower Upper  
43 100  
58 38.6 29.2 43.8

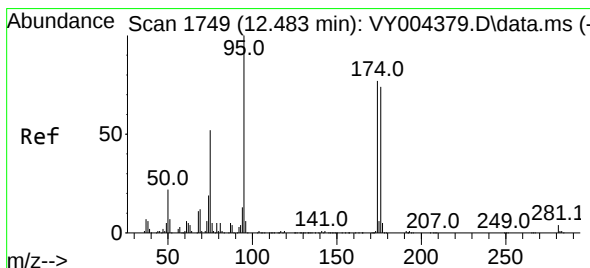
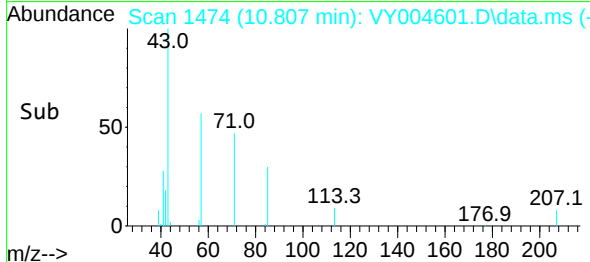
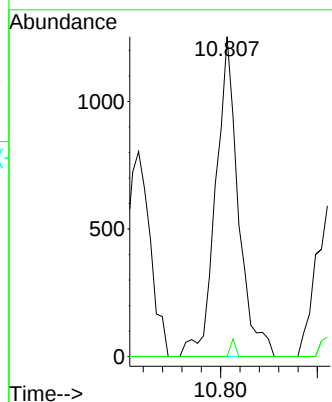
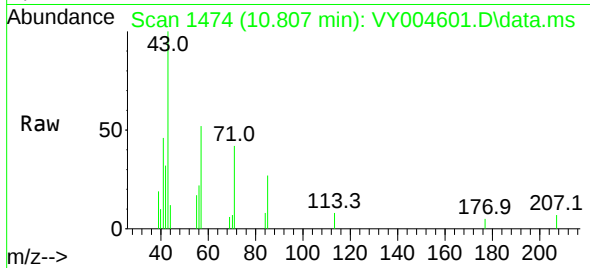




#59  
2-Hexanone  
Concen: 2.11 ug/l  
RT: 10.807 min Scan# 1474  
Delta R.T. -0.030 min  
Lab File: VY004601.D  
Acq: 23 Apr 2021 13:39

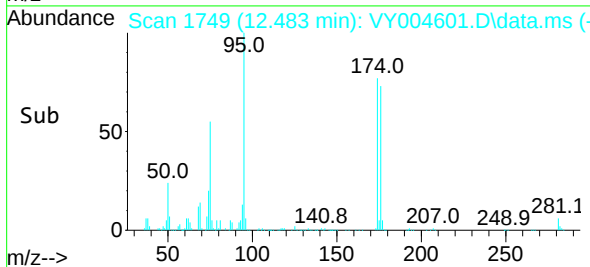
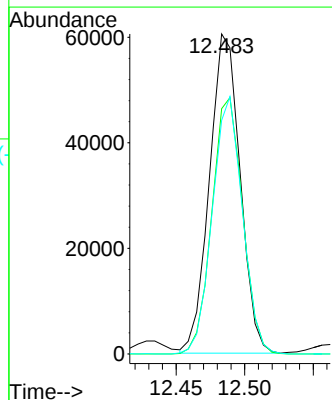
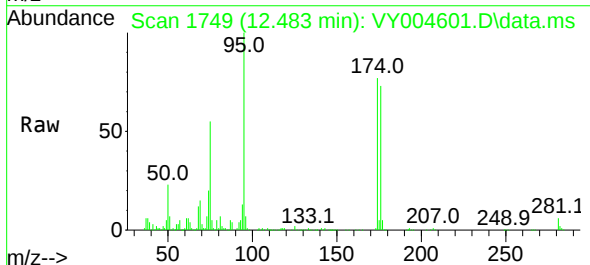
Instrument :  
MSVOA\_Y  
ClientSampled :

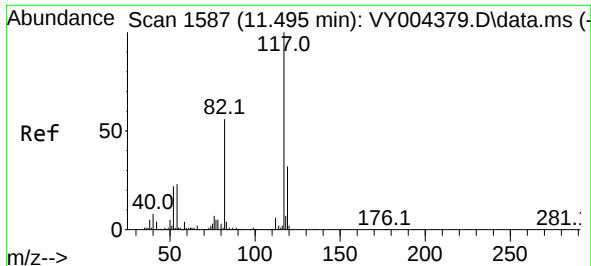
Tgt Ion: 43 Resp: 2039  
Ion Ratio Lower Upper  
43 100  
58 1.2 25.4 76.4#



#62  
4-Bromofluorobenzene  
Concen: 50.68 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY004601.D  
Acq: 23 Apr 2021 13:39

Tgt Ion: 95 Resp: 94095  
Ion Ratio Lower Upper  
95 100  
174 80.4 0.0 162.4  
176 79.1 0.0 156.0

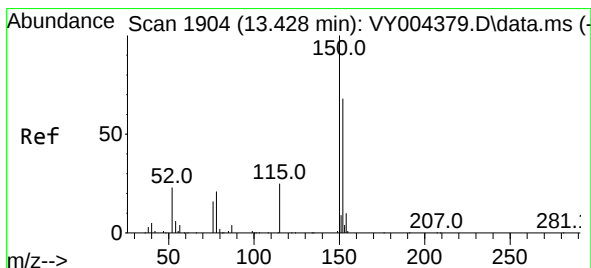
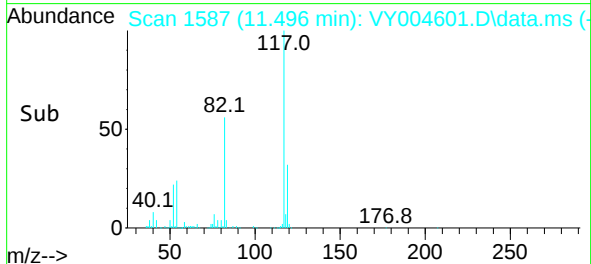
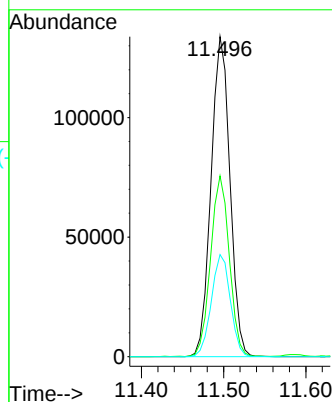
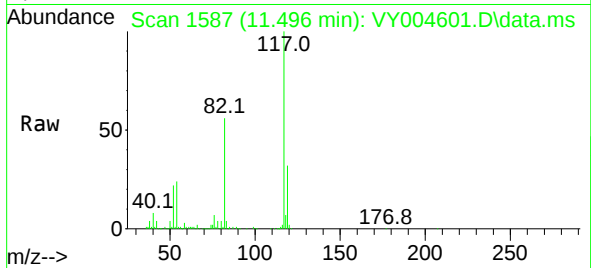




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.496 min Scan# 1587  
Delta R.T. 0.000 min  
Lab File: VY004601.D  
Acq: 23 Apr 2021 13:39

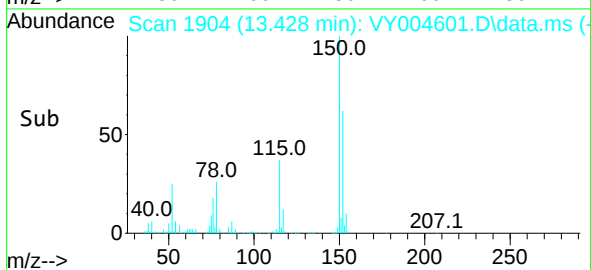
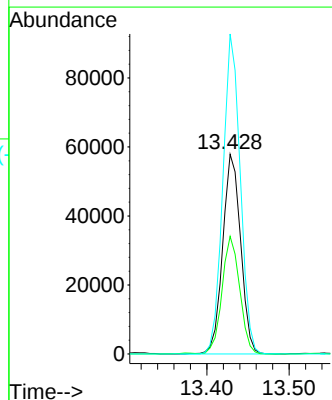
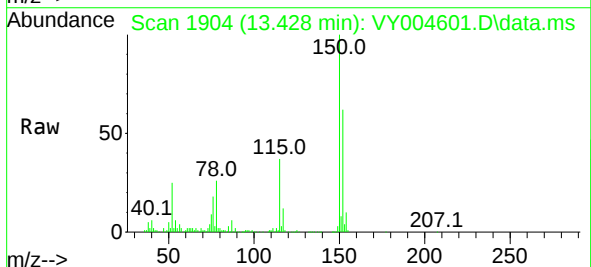
Instrument :  
MSVOA\_Y  
ClientSampleId :

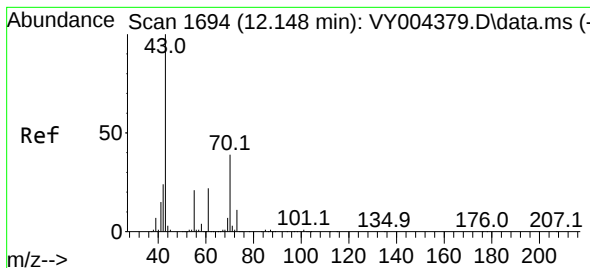
Tgt Ion:117 Resp: 213706  
Ion Ratio Lower Upper  
117 100  
82 56.3 44.9 67.3  
119 31.9 25.4 38.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. 0.000 min  
Lab File: VY004601.D  
Acq: 23 Apr 2021 13:39

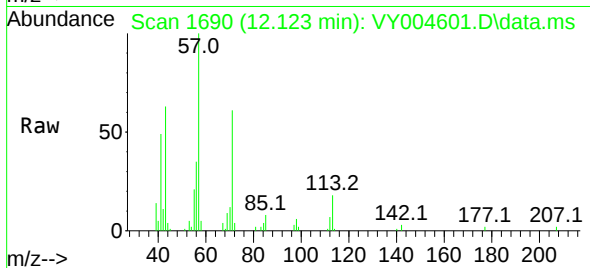
Tgt Ion:152 Resp: 87736  
Ion Ratio Lower Upper  
152 100  
115 57.8 29.6 88.8  
150 155.0 0.0 348.4



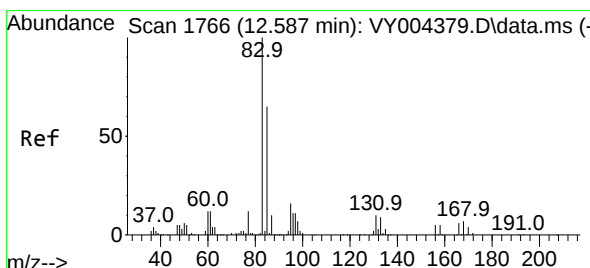
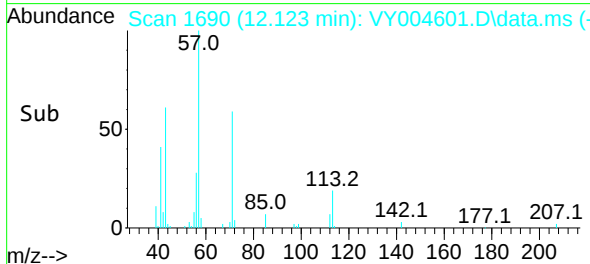
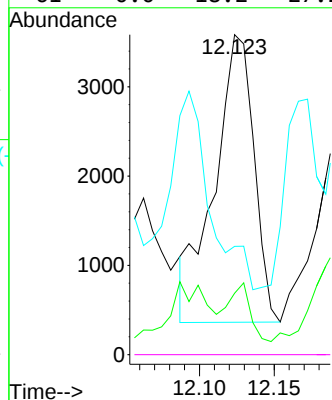


#74  
N-amy1 acetate  
Concen: 2.60 ug/l  
RT: 12.123 min Scan# 1690  
Delta R.T. -0.024 min  
Lab File: VY004601.D  
Acq: 23 Apr 2021 13:39

Instrument :  
MSVOA\_Y  
ClientSampled :

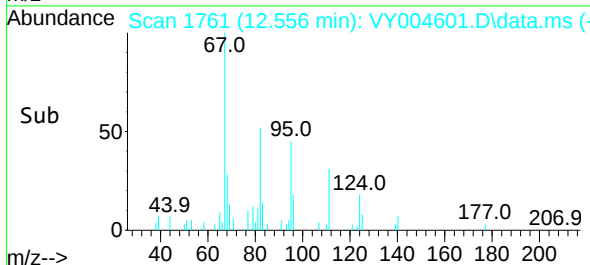
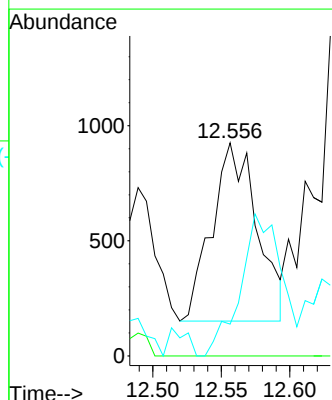
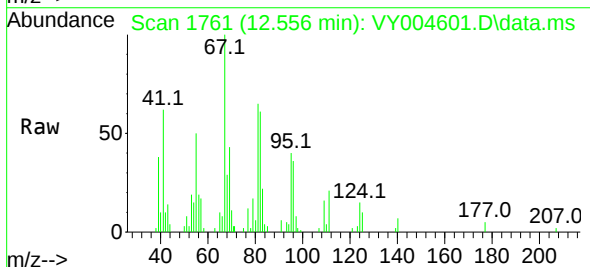


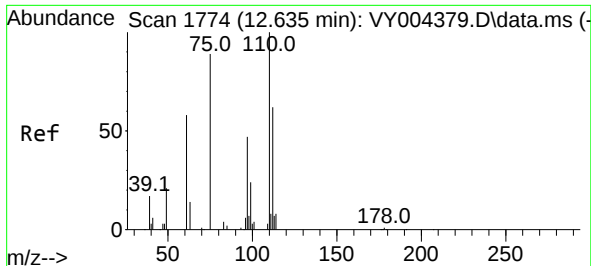
|             |                 |
|-------------|-----------------|
| Tgt Ion: 43 | Resp: 5940      |
| Ion Ratio   | Lower Upper     |
| 43          | 100             |
| 70          | 11.2 30.4 45.6# |
| 55          | 0.0 17.4 26.0#  |
| 61          | 0.0 18.2 27.2#  |



#75  
1,1,2,2-Tetrachloroethane  
Concen: 1.39 ug/l  
RT: 12.556 min Scan# 1761  
Delta R.T. -0.030 min  
Lab File: VY004601.D  
Acq: 23 Apr 2021 13:39

|             |                |
|-------------|----------------|
| Tgt Ion: 83 | Resp: 1780     |
| Ion Ratio   | Lower Upper    |
| 83          | 100            |
| 131         | 0.0 5.1 15.4#  |
| 85          | 71.9 31.6 94.8 |

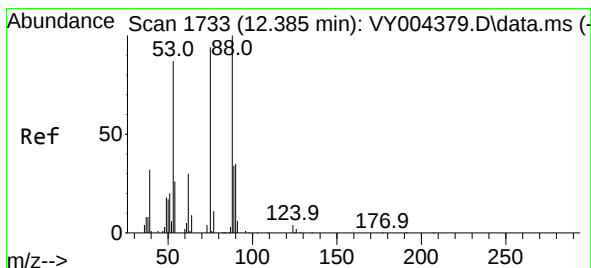
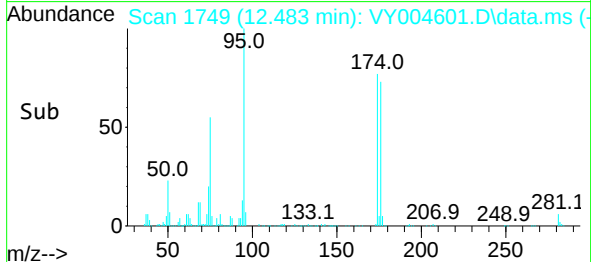
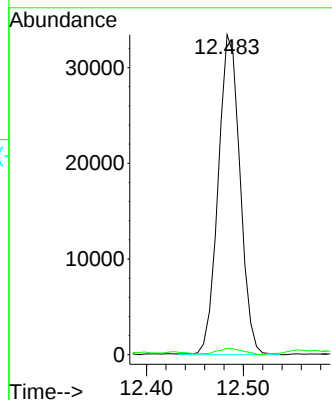
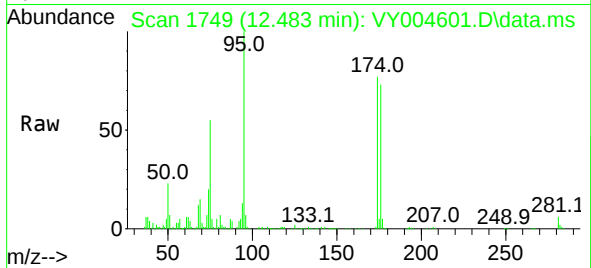




#76  
1,2,3-Trichloropropane  
Concen: 55.48 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.152 min  
Lab File: VY004601.D  
Acq: 23 Apr 2021 13:39

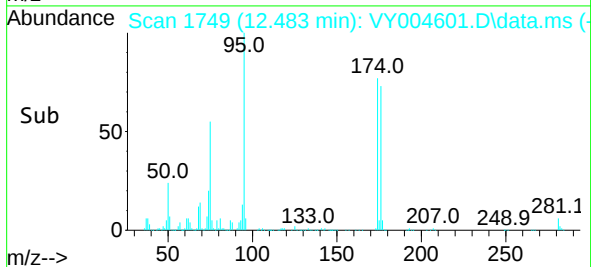
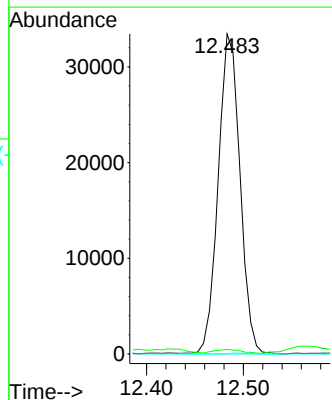
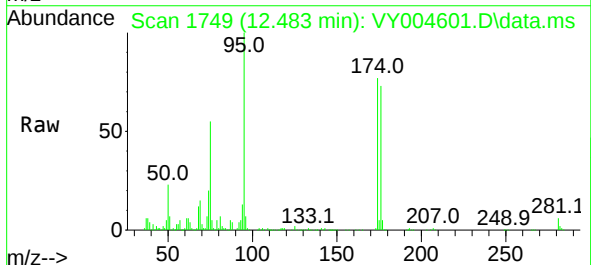
Instrument :  
MSVOA\_Y  
ClientSampleId :

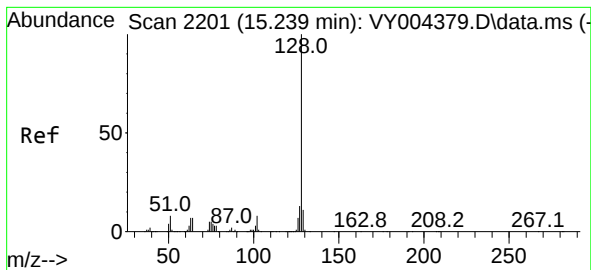
Tgt Ion: 75 Resp: 52247  
Ion Ratio Lower Upper  
75 100  
77 2.4 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 99.26 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.098 min  
Lab File: VY004601.D  
Acq: 23 Apr 2021 13:39

Tgt Ion: 75 Resp: 52247  
Ion Ratio Lower Upper  
75 100  
53 1.6 75.0 112.6#  
89 0.2 36.1 54.1#





#95  
Naphthalene  
Concen: 4.04 ug/l  
RT: 15.239 min Scan# 2201  
Delta R.T. 0.000 min  
Lab File: VY004601.D  
Acq: 23 Apr 2021 13:39

Instrument :  
MSVOA\_Y  
ClientSampleId :

Tgt Ion:128 Resp: 14636  
Ion Ratio Lower Upper  
128 100  
127 14.8 10.2 15.2  
129 12.2 8.8 13.2

